UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE   : Jan. 03, 2006

INVENTOR(S)   : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 4, line 44, below "except insofar as limited by the prior art." insert - -

Appendix A

```
     import java.awt.*;
  5  import java.awt.event.*;
     import javax.swing.*;
     import java.io.*;

     public class CSApplet extends JApplet
 10  {
         private String image;
         private double physicalWidth;
         private double physicalHeight;
         public void init()
 15      {
             super.init();

             physicalWidth = 0.0;
             physicalHeight = 0.0;
 20
             // Read in the values of the parameters from
         the html page
                 // The parameters are image, physicalWidth, and
         physicalHeight
 25
             image = getParameter("image");

             String param = getParameter("physicalWidth");

 30          if (param != null)
             {
                 physicalWidth = Double.parseDouble(param);
             }

 35          param = getParameter("physicalHeight");

             if (param != null)
             {
                 physicalHeight =
 40      Double.parseDouble(param);
             }

             // Add a panel to the applet where the image
         will be drawn
 45              Container contentPane = getContentPane();

             try
             {
                     // Create the panel and pass it the html
 50      parameter values
```

H P docket number 10991601   Page 9 of 18

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CERTIFICATE OF CORRECTION

Page 2 of 7

PATENT NO.　　　: 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE　　　: Jan. 03, 2006

INVENTOR(S)　　 : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
                  contentPane.add(new CSPanel(image,
        physicalWidth, physicalHeight));
                  }
                  catch (IOException e)
  5               {
                  }
        }
  }

 10   import java.awt.*;
      import java.awt.event.*;
      import javax.swing.*;
      import java.util.*;
      import java.io.*;
 15
      class CSPanel extends JPanel
      {
          private String imageName;
          private double physicalWidth;
 20       private double physicalHeight;
          private int imageResX;
          private int imageResY;
          private Image image;
          CSPanel(String imageName, double physicalWidth,
 25   double physicalHeight) throws IOException
          {
              this.imageName = imageName;
              this.physicalWidth = physicalWidth;
              this.physicalHeight = physicalHeight;
 30
              // Heck for reading the xResolution and
      yResolution from the JPEG header
              FileInputStream in = new FileInputStream(new
      File(imageName));
 35           DataInputStream din = new DataInputStream(in);

              // Skip over the first seven shorts
              for (int i = 0; i < 7; i++)
              {
 40               din.readShort();
              }

              // get the x/y resolution
              imageResX = din.readShort();
 45           imageResY = din.readShort();

              // close streams
              din.close();
              in.close();
 50
              // read in the image
```

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE   : Jan. 03, 2006

INVENTOR(S)   : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
                     image -
       Toolkit.getDefaultToolkit().getImage(imageName);

                     // wait until the image is entirely read in
      5              MediaTracker tracker = new MediaTracker(this);
                     tracker.addImage(image, 0);

                     try
                     {
     10                  tracker.waitForID(0);
                     }
                     catch(InterruptedException e)
                     {
                     }
     15          }
              public void paintComponent(Graphics g)
              {
                  super.paintComponent(g);

     20              // get the logical screen resolution ie
        640x480, 1024x768
                     Toolkit tk = Toolkit.getDefaultToolkit();
                     Dimension screen = tk.getScreenSize();

     25              // compute the physical size of the image
                     double xinches = image.getWidth(this) /
        (double) imageResX;
                     double yinches = image.getHeight(this) /
        (double) imageResY;
     30              // compute the physical dpi of the display
                     double xDPI = screen.width / physicalWidth;
                     double yDPI = screen.height / physicalHeight;

     35              // compute the logical width of the image
                     double newWidth = xDPI * xinches;
                     double newHeight = yDPI * yinches;

                     // setup the graphics context
     40              Graphics2D g2 = (Graphics2D) g;

              g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
        RenderingHints.VALUE_ANTIALIAS_ON);

     45          g2.setRenderingHint(RenderingHints.KEY_RENDERING,
        RenderingHints.VALUE_RENDER_QUALITY);

                     // draw the image in the panel with scaling
                     g2.drawImage(image, 0, 0, (int) newWidth, (int)
     50    newHeight, null);
              }

       H.P. docket number 10991401                    Page 11 of 18
```

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 4 of 7

PATENT NO. : 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE : Jan. 03, 2006

INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
<head>
  <meta name="GENERATOR" content="Mozilla/4.61 [en] (WinNT; I)
[Netscape]">
  <title>TestApplet1</title>
</head>
<body>
<object classid="clsid:8AD9C840-044F-11D1-B3E9-00805F499D93"
  width="100%" height="100%" align="middle"
  codebase="http:/<object classid="clsid:8AD9C840-044E-11D1-B3E9-
00805F499D93"
  width="100%"<param NAME="code" VALUE="CSApplet.class"><param
NAME="codebase" VALUE="classes"/><param NAME="type"
VALUE="application/x-java-applet;version=1 2.2"><param NAME="image"
value="d:/patent/moose jpg"><param NAME="physicalWidth"
value="11.25"><param NAME="physicalHeight" value="8.5"><param
NAME="scriptable" VALUE="true">No
JDK 1.2 support for APPLET"</object>
</body>
</html>
```

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE   : Jan. 03, 2006

INVENTOR(S)   : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
                    Appendix B

        import java.awt.*;
     5  import java.awt.event.*;
        import javax.swing.*;

        public class TestApplet extends JApplet
        {
    10      private String image;
            private double percentOfWidth;
            private double percentOfHeight;
            public void init()
            {
    15          super.init();

                percentOfWidth = 0.0;
                percentOfHeight = 0.0;

    20          image = getParameter("image");

                String param = getParameter("percentOfWidth");

                if (param != null)
    25          {
                    percentOfWidth =
        Double.parseDouble(param);
                }

    30          param = getParameter("percentOfHeight");

                if (param != null)
                {
                    percentOfHeight =
    35  Double.parseDouble(param);
                }

                Container contentPane = getContentPane();
                contentPane.add(new TestPanel(image,
    40  percentOfWidth, percentOfHeight));
            }
        }


    45  import java.awt.*;
        import java.awt.event.*;
        import javax.swing.*;

    50  class TestPanel extends JPanel
        {

    HP docket number 10991401              Page 13 of 18
```

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE   : Jan. 03, 2006

INVENTOR(S)   : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
        private String imageName;
        private double percentOfWidth;
        private double percentOfHeight;

        private Image image;
        TestPanel(String imageName, double percentOfWidth,
   double percentOfHeight)
        {
            this.imageName = imageName;
            this.percentOfWidth = percentOfWidth;
            this.percentOfHeight = percentOfHeight;

            image =
   Toolkit.getDefaultToolkit().getImage(imageName);

            MediaTracker tracker = new MediaTracker(this);
            tracker.addImage(image, 0);

            try
            {
                tracker.waitForID(0);
            }
            catch(InterruptedException e)
            {
            }
        }
        public void paintComponent(Graphics g)
        {
            super.paintComponent(g);

            Dimension container = getSize();
            double newWidth;
            double newHeight;

            if (percentOfWidth != 0.0)
            {
                // constant percentage of width
                newWidth = container.width *
   percentOfWidth / 100.0;
                newHeight = newWidth *
                            ((double) image.getHeight(this)
   / (double) image.getWidth(this));
            }
            else
            {
                // constant percentage of height
                newHeight = container.height *
   percentOfHeight / 100.0;
                newWidth = newHeight *
                            ((double) image.getWidth(this)
   / (double) image.getHeight(this));
```

H.P. docket number 10991401   Page 14 of 18
```

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# UNITED STATES PATENT AND TRADEMARK OFFICE
## CERTIFICATE OF CORRECTION

PATENT NO.      : 6,982,729

APPLICATION NO. : 09/552,060

ISSUE DATE      : Jan. 03, 2006

INVENTOR(S)     : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
        Graphics2D g2 = (Graphics2D) g;

            g2.setRenderingHint (RenderingHints.KEY_ANTIALIASING,
    RenderingHints.VALUE_ANTIALIAS_ON);

            g2.setRenderingHint (RenderingHints.KEY_RENDERING,
    RenderingHints.VALUE_RENDER_QUALITY);

                g2.drawImage(image, 0, 0, (int) newWidth, (int)
    newHeight, null);
        }


    <!doctype html public "-//w3c//dtd html 4.0 transitional//en">
    <html>
    <head>
        <meta name="GENERATOR" content="Mozilla/4.61 (en) (WinNT; I)
    [Netscape]">
        <title>TestApplet2</title>
    </head>
    <body>
    <object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499D93"
        width="100%" height="100%" align="middle"
        codebase="http://<object classid="clsid:8AD9C840-044E-11D1-B3E9-
    00805F499D93"
        width="100%><param NAME="code" VALUE="TestApplet.class"><param
    NAME="codebase" VALUE="classes/"><param NAME="type"
    VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
    value="d:/patent/beans.jpg"><param NAME="percentOfWidth"
    value="50.0"><param NAME="scriptable" VALUE="true">No
    JDK 1.2 support for APPLET!!</object>
    </body>
    </html>
```

H.P. docket number 10991401   Page 15 of 18

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER: 10991401-1

IN RE APPLICATION OF: U.S. Patent No. 6,982,729

USPTO CONFIRMATION CODE: 3358

APPLICATION NO.: 09/552,060

FILED: Apr. 19, 2000

EXAMINER: Matthew Luu

GROUP ART UNIT: 2676

FOR: CONSTANT SIZE IMAGE DISPLAY INDEPENDENT OF SCREEN RESOLUTION

37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF CORRECTION

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

Sir:

The following is a request for a certificate of correction in Serial Number 09/552,060, now Patent Number 6,982,729.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

☒　　All errors were the fault of the USPTO, no fee required. In the event that a further fee is required, please charge the amount to Deposit Account No. 082025.

☐　　All errors were the fault of the applicant and, accordingly, please charge **$100.00** to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

☐　　The errors were the fault of both the applicant and USPTO and, accordingly, please charge **$100.00** to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The exact locations where the errors appear in the patent and patent application are as follows:

- 1 -

In column 4, line 44, below "except insofar as limited by the prior art." insert - -

Appendix A

```
   import java.awt.*;
5  import java.awt.event.*;
   import javax.swing.*;
   import java.io.*;

   public class CSApplet extends JApplet
10 {
        private String image;
        private double physicalWidth;
        private double physicalHeight;
        public void init()
15      {
             super.init();

             physicalWidth = 0.0;
             physicalHeight = 0.0;
20
             // Read in the values of the parameters from
        the html page
             // The parameters are image, physicalWidth, and
        physicalHeight
25
             image = getParameter("image");

             String param = getParameter("physicalWidth");

30           if (param != null)
             {
                  physicalWidth = Double.parseDouble(param);
             }

35           param = getParameter("physicalHeight");

             if (param != null)
             {
                  physicalHeight =
40      Double.parseDouble(param);
             }

             // Add a panel to the applet where the image
        will be drawn
45           Container contentPane = getContentPane();

             try
             {
                  // Create the panel and pass it the html
50      parameter values
```

```
                        contentPane.add(new CSPanel(image,
     physicalWidth, physicalHeight));
                }
                catch (IOException e)
                {
                }
        }
     }


     import java.awt.*;
     import java.awt.event.*;
     import javax.swing.*;
     import java.util.*;
     import java.io.*;

     class CSPanel extends JPanel
     {
             private String imageName;
             private double physicalWidth;
             private double physicalHeight;
             private int imageResX;
             private int imageResY;
             private Image image;
             CSPanel(String imageName, double physicalWidth,
     double physicalHeight) throws IOException
             {
                     this.imageName = imageName;
                     this.physicalWidth = physicalWidth;
                     this.physicalHeight = physicalHeight;


                     // Hack for reading the xResolution and
     yResolution from the JPEG header
                     FileInputStream in = new FileInputStream(new
     File(imageName));
                     DataInputStream din = new DataInputStream(in);

                     // Skip over the first seven shorts
                     for (int i = 0; i < 7; i++)
                     {
                             din.readShort();
                     }

                     // get the x/y resolution
                     imageResX = din.readShort();
                     imageResY = din.readShort();

                     // close streams
                     din.close();
                     in.close();

                     // read in the image
```

```
            image =
Toolkit.getDefaultToolkit().getImage(imageName);

            // wait until the image is entirely read in
5           MediaTracker tracker = new MediaTracker(this);
            tracker.addImage(image, 0);

            try
            {
10              tracker.waitForID(0);
            }
            catch(InterruptedException e)
            {
            }
15      }
        public void paintComponent(Graphics g)
        {
            super.paintComponent(g);

20          // get the logical screen resolution ie
640x480, 1024x768
            Toolkit tk = Toolkit.getDefaultToolkit();
            Dimension screen = tk.getScreenSize();

25          // compute the physical size of the image
            double xInches = image.getWidth(this) /
(double) imageResX;
            double yInches = image.getHeight(this) /
(double) imageResY;
30
            // compute the physical dpi of the display
            double xDPI = screen.width / physicalWidth;
            double yDPI = screen.height / physicalHeight;

35          // compute the logical width of the image
            double newWidth = xDPI * xInches;
            double newHeight = yDPI *yInches;

            // setup the graphics context
40          Graphics2D g2 = (Graphics2D) g;

        g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
RenderingHints.VALUE_ANTIALIAS_ON);

45      g2.setRenderingHint(RenderingHints.KEY_RENDERING,
RenderingHints.VALUE_RENDER_QUALITY);

            // draw the image in the panel with scaling
            g2.drawImage(image, 0, 0, (int) newWidth, (int)
50  newHeight, null);
        }
```

```
}

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
<head>
  <meta name="GENERATOR" content="Mozilla/4.61 [en] (WinNT; I)
[Netscape]">
  <title>TestApplet1</title>
</head>
<body>
<object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499D93"
    width="100%" height="100%" align="middle"
    codebase="http:/<object classid="clsid:8AD9C840-044E-11D1-B3E9-
00805F499D93"
    width="100%<param NAME="code" VALUE="CSApplet.class"><param
NAME="codebase" VALUE="classes/"><param NAME="type"
VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
value="d:/patent/moose.jpg"><param NAME="physicalWidth"
value="11.25"><param NAME="physicalHeight" value="8.5"><param
NAME="scriptable" VALUE="true">No
JDK 1.2 support for APPLET!!</object>
</body>
</html>
```

```
     import java.awt.*;
 5   import java.awt.event.*;
     import javax.swing.*;

     public class TestApplet extends JApplet
     {
10       private String image;
         private double percentOfWidth;
         private double percentOfHeight;
         public void init()
         {
15           super.init();

             percentOfWidth = 0.0;
             percentOfHeight = 0.0;

20           image = getParameter("image");

             String param = getParameter("percentOfWidth");

             if (param != null)
25           {
                 percentOfWidth =
     Double.parseDouble(param);
             }

30           param = getParameter("percentOfHeight");

             if (param != null)
             {
                 percentOfHeight =
35   Double.parseDouble(param);
             }

             Container contentPane = getContentPane();
             contentPane.add(new TestPanel(image,
40   percentOfWidth, percentOfHeight));
         }
     }


45
     import java.awt.*;
     import java.awt.event.*;
     import javax.swing.*;

50   class TestPanel extends JPanel
     {
```

```java
        private String imageName;
        private double percentOfWidth;
        private double percentOfHeight;

5       private Image image;
        TestPanel(String imageName, double percentOfWidth,
    double percentOfHeight)
        {
            this.imageName = imageName;
10          this.percentOfWidth = percentOfWidth;
            this.percentOfHeight = percentOfHeight;

            image =
    Toolkit.getDefaultToolkit().getImage(imageName);
15
            MediaTracker tracker = new MediaTracker(this);
            tracker.addImage(image, 0);

            try
20          {
                tracker.waitForID(0);
            }
            catch(InterruptedException e)
            {
25          }
        }
        public void paintComponent(Graphics g)
        {
            super.paintComponent(g);
30
            Dimension container = getSize();
            double newWidth;
            double newHeight;

35          if (percentOfWidth != 0.0)
            {
                // constant percentage of width
                newWidth = container.width *
    percentOfWidth / 100.0;
40              newHeight = newWidth *
                            ((double) image.getHeight(this)
    / (double) image.getWidth(this));
            }
            else
45          {
                // constant percentage of height
                newHeight = container.height *
    percentOfHeight / 100.0;
                newWidth = newHeight *
50                          ((double) image.getWidth(this)
    / (double) image.getHeight(this));
```

```
            }

        Graphics2D g2 = (Graphics2D) g;

5       g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
    RenderingHints.VALUE_ANTIALIAS_ON);

        g2.setRenderingHint(RenderingHints.KEY_RENDERING,
    RenderingHints.VALUE_RENDER_QUALITY);
10
            g2.drawImage(image, 0, 0, (int) newWidth, (int)
    newHeight, null);
        }
    }
15


    <!doctype html public "-//w3c//dtd html 4.0 transitional//en">
    <html>
20  <head>
       <meta name="GENERATOR" content="Mozilla/4.61 [en] (WinNT; I)
    [Netscape]">
       <title>TestApplet2</title>
    </head>
25  <body>
    <object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499D93"
        width="100%" height="100%" align="middle"
        codebase="http:/<object classid="clsid:8AD9C840-044E-11D1-B3E9-
    00805F499D93"
30      width="100%<param NAME="code" VALUE="TestApplet.class"><param
    NAME="codebase" VALUE="classes/"><param NAME="type"
    VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
    value="d:/patent/beans.jpg"><param NAME="percentOfWidth"
    value="50.0"><param NAME="scriptable" VALUE="true">No
35  JDK 1.2 support for APPLET!!</object>
    </body>
    </html>
```

H.P. docket number 10991401   Page 15 of 18   - -.

(Appendix to the Specification filed on Apr. 19, 2000, pages 9 of 18 – 15 of 18)

- 8 -

The requested corrections are attached on Form PTO 1050.

Respectfully Submitted

4/13/2004

DATE

Name: Jeff D. Limón
Registration No.: 45,418

Attorney/Agent of Record

HEWLETT-PACKARD COMPANY
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